

**PERSONAL INFORMATION**

**ROBERT RAMÍREZ GARCÍA**
**BIOENGINEER**

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 robert\_rg8 (Skype). Date of birth 15/07/1990 | Nationality Spanish

**WORK EXPERIENCE**

(November 2018 - current) **Doctoral research in Synthetic Biology and Virology - Joint PhD Monash-Warwick Alliance**

· School of Life Sciences, the University of Warwick, Coventry, England (UK)

· School of Biological Sciences, Monash University, Melbourne (Australia)

*Project of thesis: Bioengineered bacterial viruses*

*Thesis directors: Alfonso Jaramillo & Jeremy Barr*

(May 2019 – May 2020) **Chair of the Education Committee – After iGEM - iGEM Foundation**

*Project: Mentorship Program and Education Hub <https://after.igem.org/page/education-committee>*

(October 2019) - **Demonstrator – Structural Molecular Biology**

School of Life Sciences, the University of Warwick, Coventry, England (UK)

*Project: Guided 3rd year UG students in their practical with expression and purification of proteins (37h)*

(June 2018 – November 2018) **Advisor for the iGEM WISB-Warwick 2018 team in the iGEM competition**

· Warwick Integrative Synthetic Biology Centre (WISB), Coventry, England (UK)

*Project: RIPPLE*

*See it @ <http://2018.igem.org/Team:Warwick>*

(April 2018 – December 2019) **Research Associate**

· Warwick Integrative Synthetic Biology Centre (WISB), Coventry, England (UK)

· Glaxo Smith Kline (GSK)

(May 2017 – April 2018) **Research Assistant**

· Institute of Advanced Research (IAR), Koba Institutional Area, Gandhinagar, Gujarat (India)

*Project: Engineering squalene-derived biosynthetic pathways, In silico screening of drugs against Influenza. Genome Engineering with CRISPR in bacteria.*

(July 2017– November 2017) **Advisor for the iGEM IISER Pune 2017 team in the iGEM competition**

· Indian Institute of Science Education and Research, (IISER Pune), Pune, Maharashtra (India)

*Project: TB, or not TB? (i.e. Tuberculosis, or not Tuberculosis?)*

*See it @ <http://2017.igem.org/Team:IISER-Pune-India>*

(10 July 2017 – 16 July 2017) **Visiting Scientist and Speaker in the All India iGEM MeetUp 2017**

· Indian Institute of Science Education and Research, (IISER Pune), Pune, Maharashtra (India)

– *Invited to give two seminars (1 hour + discussion):*

– "Ramírez-García, R. (2017) "Antimicrobials, Synthetic Virology and Directed Evolution. Indian iGEM MeetUp 2017. 15th July 2017 "

– "Ramírez-García, R. (2017) "Open Science in Synthetic Biology and the Bioeconomy. Indian iGEM MeetUp 2017. 15th July 2017 "

– *Organised and delivered week-long Experimental Workshop to study the Viral Kinetics and Dynamics of bacteriophage to iGEMers in the IISER Pune*

(January 2017 – February 2017) **Research Assistant**

· School of Chemical Engineering and Advanced Materials, Newcastle Upon Tyne, England (UK)

*Project: Study of the microbial dynamics of clonal populations towards the construction of synthetic microbial consortia.*

(September 2015 – January 2017) **Team member for the iGEM Évry-Génopole 2016 team in the iGEM competition**

· Institute of Systems and Synthetic Biology (iSSB), Génopole, Évry, Région de Paris (France)

*Project: Integrated SynBio Tools Applied for Optimized Bioproduction of Poly-Lactic Acid*

*See it @ <http://2016.igem.org/Team:Evry>*

(July 2016 – October 2016) **Bioprocess Engineer**

- **Génopole - Institute of Systems and Synthetic Biology, (iSSB) Évry, Région de Paris (France)**  
Project: *Upgrade of bioreactors for the production of viruses*

 (Feb 2016 – July 2016) **mSSB stagiaire – Synthetic Biology & Bioprocess Engineering**

- **(Feb 2016 – April 2016) · Warwick Integrative Synthetic Biology Centre (WISB), Coventry, England (UK)**
- **(April 2016- July 2016) Institute of Systems and Synthetic Biology, (iSSB) Évry, Région de Paris (France)**  
Project: *Engineering viruses through synthetic biology and bioprocess engineering approaches*

 (June 2013 - September 2014) **Intern – Bioprocess Engineering**

- Laboratory of Chemical and Environmental Engineering, Girona, Catalonia (Spain)**  
Project: *In situ bioelectrosynthesis and electroseparation of value-added products from CO<sub>2</sub>*

**PEER-REVIEWED PUBLICATIONS (7)**


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- **R. Ramírez-García**, N. Gohil, V. Singh (2019) *Recent advances, challenges and opportunities in bioremediation of hazardous materials*. Chapter 21 of the book entitled "Phytomanagement of Polluted Sites. 1<sup>st</sup> Edition. Elsevier.
- N. Gohil, **R. Ramírez-García**, H. Panchasara, S. Patel, G. Bhattacharjee, V. Singh (2018). Quorum Sensing vs Quorum Quenching: A Battle with no End in Sight. Book Review. *Frontiers in Microbiology*
- N. Gohil, H. Panchasara, S. Patel, **R. Ramírez-García**, V. Singh (2017) Book Review: *Recent Advances in Yeast Metabolic Engineering*. *Frontiers in Bioengineering and Biotechnology*.
- V. Singh, N. Gohil, **R. Ramírez-García** (2017) *New insight into the control of peptic ulcer by targeting the histamine H2 receptor*. *J. Cell. Biochem*.
- V. Singh, N. Gohil, **R. Ramírez-García**, D. Braddick, C. K. Fofié (2017) *Recent Advances of CRISPR-Cas9 Genome Editing Technologies for Biological and Biomedical Investigations*. *J. Cell. Biochem*.
- A. Pandi, **R. Ramírez-García**, J. Debédát, D. Dessaux, V. Gureghian, J. Hartunians, T. Mhoumadi, C. Nayrac, T. Ratovomanana, M. Saaïdy, J. Tellechea, C. Jacry, A. Iglesias, M. Bargués-Ribera. (2017). *Integrated SynBio Tools Applied for Optimized Bioproduction of Poly-Lactic Acid*. PLOS iGEM Realtime Peer Review Jamboree.
- Matemadombo, F., Puig, S., Ganigué, R., **Ramírez-García, R.**, Batlle-Vilanova, P., Dolors Balaguer, M., & Colprim, J. (2016). *Modelling the simultaneous production and separation of acetic acid from CO<sub>2</sub> using an anion exchange membrane microbial electrosynthesis system*. *Journal of Chemical Technology and Biotechnology*.

**EDUCATION AND TRAINING**


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 (September 2015 – July 2016) **Master degree in Systems and Synthetic Biology - mSSB (1 year program)**
**Université Paris-Saclay - France**

- Master rated A+ by AERES (French evaluation agency)

 (October 2010 – September 2014) **Official degree in Biotechnology (4 years program)**
**Universitat de Girona - Spain**

- Final project - degree thesis successfully graded maximum 10/10 with a Distinction (Honours)
- Personal and scientific transversal competences ranked maximum

**AWARDS & HONOURS**


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- iGEMer of the month – June/July 2020 <https://after.igem.org/news/305965>
- (2018-2021) 3-year Joint PhD scholarship from the Monash-Warwick Alliance and a travel grant
- (2018) Gold Medal certificate with the iGEM Warwick 2018 team
- (2017) Silver Medal certificate with the iGEM IISER-Pune-India 2017 team
- (2016) Bronze Medal certificate with the iGEM Évry 2016 team
- (2015-16) "IDEX Paris-Saclay" scholarship for master degree. Stipend, fees, and travel grant.
- (2010-14) MECED scholarship (Spanish Government) for university degree. Fees and living expenses.

**SPOKEN LANGUAGES**


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Spanish (Native), Catalan (Native), French (Professional), English (Professional) and Hindi (Basic with devanagari script)